Expt. No Lab Program 5 Date

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```
import java.util.Scanner;
abstract class Account {
 String c_name, acc_type;
 int acc_num;
 double balance;
 int minbalance = 2000;
 Account (String c_name, int acc_num,
 double balance)
 { this.c_name = c_name;
    this.acc_num = acc_num;
        this.balance = balance;
  this.acc_type = acc_type;
 }
  abstract void addbal (double amount);
      abstract void display();
      abstract void withdraw(double amount);
  }
class curr_acct extends Account{
curr_acct (String c_name, int acc_nums,
  double balance){
super(c_name, acc_num, balance);
System.out.println("Details of the customer");
System.out.println("Customer name" +
c_name + "\t Account number" + acc_num
+ "Balance" + balance + "Account type: current");
}
```

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```
void addbal(double amount){
    this.balance += amount;
}
void display(){
    System.out.println("The balance is "+this.
    balance);
}
void withdraw(double amount){
    if(this.balance < minbalance){
        this.balance = this.balance - this.balance*0.05;
        System.out.println("Updated Balance "+this.balance);
    }
    else if(balance > minbalance){
        this.balance = this.balance - amount;
        System.out.println("Balance is "+this.
    }
}
void interest(double amount){
    int time = 3, n=1;
    System.out.println("Rate of interest is 0.2");
    this.balance = this.balance * Math.pow
                    (1+(0.2)/n, n*time);
}
}
```

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```
class Main{
    Public static void main(String args[]){
        int ch, n=1;
        double amount;
        Scanner s1 = new Scanner(System.in);
        cur_acct c = new cur_acct("Adi", 1234,
        sav_acct s = new sav_acct("Adi", 123,

System.out.println("Press1. For Current Acc
    Balance Press2. for Saving account");
    ch = s1.nextInt();
    switch(ch){
    case 1: System.out.println("no a Current Acc");
        while(n!=0){
        ch0 = s1.nextInt();
        String receiver;
        double recamount;
        switch(ch0){
        case 1: amount = s1.nextdouble();
                c.adddal(amount);
                break;
        case 2:
                c.display();
                break;
        case 3:
                amount = s1.nextDouble();
                c.withdraw(amount);
                break;
```

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```
case 4:
        receiver = S1.next();
        recamount = S1.nextDouble();
        if (recamount > C.balance) { }
        else {
            C.balance = C.balance - recamount;
            s.balance = C.balance;
        }
    case 5:
            n = 0;
            break;

    default: System.out.println("Invalid input");
    }
    break;

case 2: system.out.println("Savings Account");
    while(n != 0)
    { cho = S1.nextInt();
      switch(cho) {
      case 1:
            amount = S1.nextDouble();
        S.addbal(amount);
        break;
```

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```
case 2:
        S.display();
        break;
case 3:
        amount = S1.nextDouble();
        S.withdraw(amount);
        break;
case 4:
        n = 0;

default: System.out.println("Invalid inp
    }
    }
    break;
default: System.out.println("Invalid input
}
}
```